

File 90.6.23

C O N F I D E N T I A L

PROJECT COORDINATION NOTE

PCN # : D-4

Project : MAXCON

Date : 1 November 1978

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Author :

Approval :

Subject : B-10 LTU Backplane Pin Connections For The Signal Lines of Circuits To Be Used

Reference : PCN # D-3

Distribution :

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This PCN details the B-10 LTU backplane pin connections to which the signals cited in PCN # D-3 are to be connected. Attached to one copy of this note that is going to are copies of the technical information available on the B-10 LTU from the Contractor.

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The B-10 LTUs have six signal lines to be connected to them: Transmit Data (TXD), Transmit Clock (TXCI), Receive Data (RXD), Receive Clock (RXC), Sync Initiate (SECONDARY TRANSMIT DATA or SECTXD), and Sync-In-Progress (RING INDICATOR or RI). The abbreviations and alternate names in parentheses show the Contractor's designations for the signals that we will use. The following table shows the pin numbers on the LTU backplane (edge connector) that the above signals come out on.

SIGNAL	PIN #	SIGNAL	PIN #
TXD	58	SECTXD	39 ? 51
TXCI	55	RI	54 ? 51P
RXD	62	SECRXD	47 ?
RXC	56	GROUND	53

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Strapping for the B-10 can be determined from the attached technical material. There is an additional wiring strap that must be installed. There is to be a direct parallel wiring of the RXD signal to the SECONDARY RECEIVE DATA (SECRXD) input pin of the LTU. The LTU pin number for SECRXD is pin 47. When this is done, the receive data from the crypto equipment will be sent to both RXD and SECRXD. This latter pin connection is for future use.

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25X1 ☐ The differences between the B-10 and B-6 LTU backplanes must be pointed out. For the Collins C900 (ARS) system, there is a separate return for TXD, RXD, etc. There is no provision for that on the B-10 LTU. There is a common signal ground, GROUND-pin 53. This will mean that the IDF wiring for a B-6 LTU is not correct for a B-10 LTU and will have to be rewired.

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25X1 ☐ Further information on this matter may be had from

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3	[Redacted]		<i>seen</i>
4	JTM		<i>M</i>
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6			
ACTION		DIRECT REPLY	PREPARE REPLY
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Remarks: 1:3 what is difference b-tween b6 & b10 as far as the addressing failure problem? <i>yes</i> <i>The same</i> <i>etc</i> <i>Tha he</i>			
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